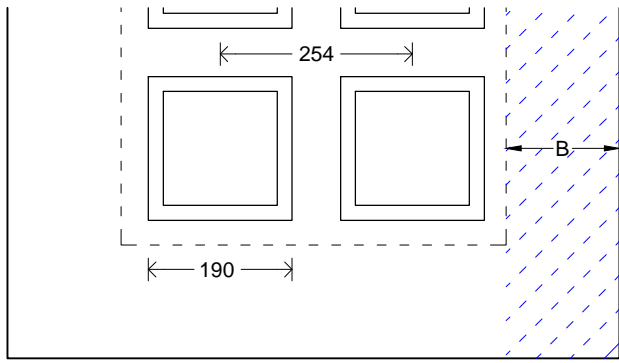
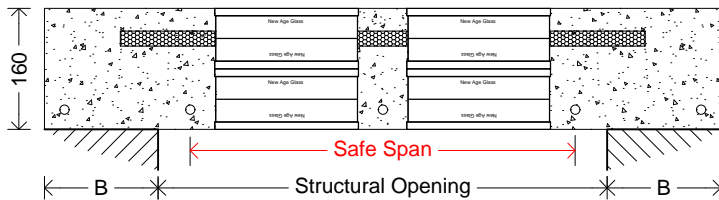


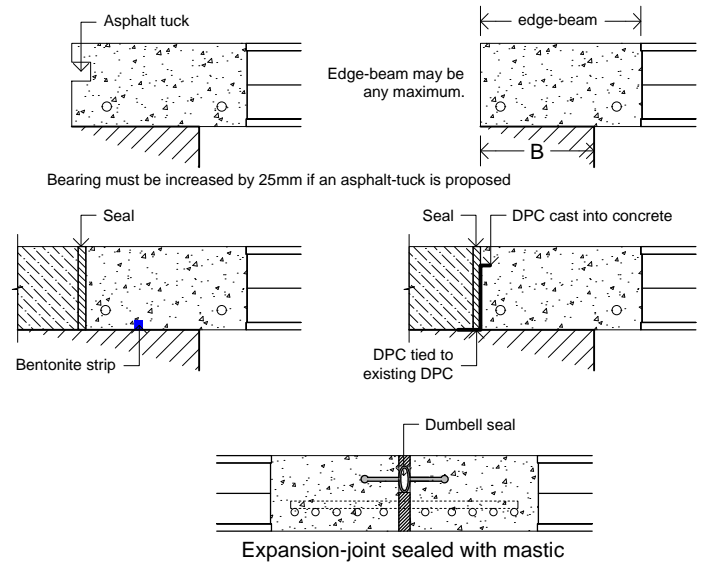
Technical Details - Floor/Roof Light - 190 e-block - 160 deep - 254 centres



190-mm lens: 254-mm centres: 160-mm thick



Bearings:



B = 150-mm minimum
Add 25-mm if asphalt-tuck required.

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Maximum Span Tables

Spans shown are for indication only. All roof- and pedestrian-lights are checked by a structural engineer.

The safe-spans shown in this table have been calculated and checked in accordance with BS8110-1:1997: Structural use of Concrete. The load-conditions shown have been tabulated in accordance to the categories listed under Table NA.2: of the NA to BS EN 1991-1-1:2002: Actions on structures

U-Value W/sq.mK	Safe Spans <small>note</small>			
	Roof-Lights <small>1.5-kN/sq.m UDL and 2-kN Point Load Includes 0.9-kN/sq.m for snow</small>		Pedestrian-Lights <small>5-kN/sq.m UDL and 3.6-kN Point Load</small>	
	2-way span	1-way span	2-way span	1-way span
Standard for new roof-light in new dwellings <i>Building Regulations Documents L1A (New Dwellings)</i>	3302mm	2540mm	2286mm	1778mm
Standard for replacement roof-light in an existing dwelling <i>Building Regulations Documents L1A (New Dwellings)</i>	2794mm	2286mm	2032mm	1524mm
Improved constructions uses the SEVES 1919/16 90F CLEARVIEW Block	2794mm	2286mm	2032mm	1524mm
	2286mm	2032mm	1778mm	1524mm
	1778mm	1270mm	1270mm	1016mm

Note: Where these structures are used as concourses and public spaces, they are likely to be subject to inadvertent or deliberate synchronized movement by people, causing dynamic excitation. The design provisions should take account of the nature and intended use of the structure, the potential number of people and their possible behaviour. Structural design should be carried out with the help of specialist advice and specialist guidance documents. (NA. 2.1.4)

Self-weight: approx 2.7 kN/m² (270 kg/m²)
Light Transmittance: 40% for the Standard roof-lights and 25% for Improved Constructions.
Sand-blasted surfaces and Seves Clearview Sahara Blocks reduce transmittance by 10%
Fire Insulation: 1-hr. 90-min on request but with reduced span.

New Age Glass provide all drawings, calculations and reports required for the construction of all pavement lights including providing Building Control and Health and Safety information.

BIW experienced

All designs are supplied in PDF, DWG and DWF formats.

Design using Revit available.

For complicated loading or other special requirements, our design team can help.

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